

67197-1 AUG 5 1993

Until Reregistration

Perma-Guard Grain or Seed
Storage Insecticide D-10

Perma-Guard, Inc.
410 12th St. NW
Albuquerque, NM 87102

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit/cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

2. Make the labeling changes listed below before you release the product for shipment:

- a. Add the phrase, "EPA Registration No. 67197-1".
- b. Delete the words **naturally occurring** from the labeling. Words or phrases implying that a product possesses unique characteristics because of its composition are not acceptable.
- c. Based on the composition of diatomaceous earth and its insecticidal activity, revise the ingredient statement as follows:

ACTIVE INGREDIENT

Diatomaceous Earth (including silicon dioxide, other oxides and moisture).....100%

- d. The IF IN EYES statement should be read:
- Flush eyes with plenty of water. Call a physician if irritation persists.
- e. The Precautionary Statement section should be revised as follows:
- CAUTION** Avoid breathing dust. Avoid contact with eyes. Use with adequate ventilation. Wear a dusk mask when using this product during prolonged exposure.
- f. Delete the words "and State" from the label violation statement under the Directions for Use heading.
- g. Delete the statement "The crystallin silica content is very low." This also is considered an implied safety claim and is unacceptable.

3. Submit five copies of your final printed labeling before you release the product for shipment. Refer to the A-79 Enclosure for a further description of final printed labeling.

4. The primary eye irritation study is currently in review. Please note that additional labeling changes may be required once our review has been completed.

5. The Confidential Statement of Formula (CSF) submitted will not meet the label claim for the nominal concentration for the active ingredients. The upper and lower certified limits are based on the pure active ingredient rather than the technical or concentrate. Refer the PR Notice 91-2 and 40 CFR 158.175 for guidance and revised the CSF to reflect the nominal concentration of the pure active ingredient.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Sincerely yours,

George T. LaRocca
Product Manager 13
Insecticide-Rodenticide Branch
Registration Division (H7505C)

PERMA-GUARD GRAIN OR SEED STORAGE INSECTICIDE D-10

DIRECTIONS FOR USE

It is a violation of Federal and State Law to use this product in a manner inconsistent with its labeling.

The success of the PERMA-GUARD D-10 system of protecting grains or seeds from insect damage depends upon lightly coating the outside surface of substantially all kernels with this powder. The most effective protection will be achieved if grain or seed are treated immediately after harvest. For best results, the moisture content of the grain or seed to be treated should be adjusted to no more than about 12% by weight. After treatment the grain or seed should be stored in bulk at a temperature above that required to hatch insect eggs which may be present, for a period of time, to hatch all insect eggs on the grain or seed.

FOR COMMERCIAL APPLICATIONS: Using standard milling equipment apply seven (7) pounds of this powder directly into each ton of clean, dry grain or seed to be treated and mix thoroughly.

A PERMA-GUARD dispenser consisting of a hopper and variable rate feeder may be used to apply the powder directly onto the grain either at the bottom of an elevator leg or as it is being moved into storage by auger or conveyor belt.

FOR HOME APPLICATIONS: Apply one measuring cupful (2 1/2 ounces by weight) of this material to each 25 pounds of grain to be treated. Mix thoroughly. A pail or other container can be used for mixing. Place grain about three inches deep into container. Sprinkle light coating of this powder over the grain. Repeat process until container is almost filled with grain. Place lid on container. Roll or shake container until powder is thoroughly mixed with the grain. Make sure a very light coating of this powder covers surfaces of substantially all kernels. Pour treated grain into a clean, dry container for storage. An air tight seal will aid in keeping moisture out of the grain. Grain should be stored in a cool dry storage area.

STORAGE AND DISPOSAL

Store in original container in a dry place. Do not reuse empty container. Wrap container and put in trash collection.

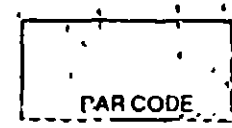
WARRANTY STATEMENT

Seller warrants that this product conforms to the ingredient statement on the label. Since conditions of use, such as weather, compatibility with other chemicals, and conditions of application equipment, will vary, seller makes no claims other than those stated on this label.

BATCH NUMBER

NET WT:

Manufactured for:
Perma-Guard Co., Inc.
410 12th Street, NW
Albuquerque, New Mexico 87102
(505) 881-6933



EPA Registration No. 67167-10
EPA Establishment No. 6330-NM-001
ACCEPTED with COMMENTS
to EPA Letter Dated **DISTRIBUTED BY:**

AUG 5 1993

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No.

67157-1

PERMA-GUARD D-10 GRAIN OR SEED STORAGE Insecticide is refined from a naturally occurring fresh water Diatomaceous Earth of a particular variety, and has a very high level of purity. The crystalline silica content is very low. Insect control by this material is of a physical nature, not chemical. D-10 kills in nine ways, all physical, but the primary cause of insect death is from dehydration.

ACTIVE INGREDIENTS:
Diatomaceous Earth 85.0%
INERT INGREDIENTS 15.0%
Total 100.0%

KEEP OUT OF REACH OF CHILDREN

CAUTION

STATEMENT OF PRACTICAL TREATMENT

If in eyes: immediately flush with water.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Use with adequate ventilation and avoid breathing of dust. Where PERMA-GUARD D-10 IS BEING USED AS DIRECTED IN A COMMERCIAL APPLICATION, OR WHERE ANY OTHER DUSTS IN QUANTITY ARE PRESENT, IT IS RECOMMENDED THAT THE APPLICATOR WEAR A RESPIRATOR OF A TYPE APPROVED BY THE US BUREAU OF MINES FOR THIS PURPOSE.

CAUTION

AVOID CONTACT WITH EYES. IF CONTACT OCCURS, IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. AVOID INHALATION OF DUST.

This material is effective post-harvest additive to aid in the prevention of insect damage from RICE WEEVILS, LESSER GRAIN BORERS, FLAT GRAIN BEETLES, MERCHANT GRAIN BEETLES, SAW TOOTHED GRAIN BEETLES, RED FLOUR BEETLES, CONFUSED FLOUR BEETLES, GRANARY WEEVILS, and larvae of the INDIAN MEAL MOTH to stored grains and seeds such as barley, buckwheat, corn, oats, rice, rye, sorghum (milo), sunflower seeds, and wheat.

Grain treated with this material will have a slightly dusty appearance, movement speed will be reduced, test weight per bushel will be reduced about four pounds. Fewer kernels will flow into and occupy the same space as untreated grain, results: more bushels of grain.

Treated grain may not be reduced to sample grade, if the USDA procedures in GR instructions 918.49, Grading and Certification of Grain Containing Diatomaceous Earth, dated 4-16-90 are followed. The milling, baking nutritive and germination qualities of grain or seed are not affected by this treatment.